

# PATENT ABSTRACTS OF JAPAN

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## (54) LIQUID CRYSTAL DISPLAY DEVICE AND ELECTRONIC EQUIPMENT

### (57)Abstract:

**PURPOSE:** To facilitate the use of an internal electric power source for a long period by reducing the consumed electric power in the operation with an internal electric power source, by installing a switch between a light source and the electric power source.

**CONSTITUTION:** A liquid crystal display device is equipped with an electric power source 5, light sources 21 and 22, switches S1 and S2, and a dc/ac conversion booster 4. When the switch S1 is opened, both the light sources 21 and 22 are put out. When the switch S1 is closed, the light source 21 is put ON, and the light source 22 is controlled by the switch S2, and only the light source 21 is put ON, or both of the light sources 21 and 22 can be put ON. Further, a detecting means for detecting that the operating electric power is an internal power source or external power source is provided, and when it is judged by the detecting means that the operating electric power is the internal electric power source, at least one of the light source of the liquid crystal display device is put OUT, while if it is judged by the detecting means that the operating electric power source is the external electric power source, all the power sources of the liquid crystal display device are put ON. Accordingly, the consumed electric power can be adjusted by putting ON/OFF the light source.

